

L Number	Hits	Search Text	DB	Time stamp
1	14	(hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed)	USPAT	2003/12/02 12:41
2	23	(hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed)	USPAT	2003/12/02 12:43
3	9	((hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed)) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed))	USPAT	2003/12/02 12:42
4	45	(gasoline with diesel with methanol) same (reformer reforming reformation reformed)	USPAT	2003/12/02 12:43
5	31	((gasoline with diesel with methanol) same (reformer reforming reformation reformed)) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed))	USPAT	2003/12/02 12:43
6	22	((gasoline with diesel with methanol) same (reformer reforming reformation reformed)) not ((hydrocarbon with gasoline with diesel with methanol) with (reformer reforming reformation reformed))) not ((hydrocarbon with gasoline with diesel with methanol) same (reformer reforming reformation reformed))	USPAT	2003/12/02 12:47
7	2009113	"0" "537" "968"	EPO	2003/12/02 12:47
8	0	"0537968"	EPO	2003/12/02 12:47
9	1	"537968"	EPO	2003/12/02 12:48
10	1	("4865820").PN.	USPAT	2003/12/02 12:48
-	402941	mixing mixer	USPAT	2003/06/12 15:59
-	543183	tube	USPAT	2002/07/10 13:30
-	1961	(mixing mixer) near tube	USPAT	2002/07/10 13:30
-	217245	catalyst	USPAT	2002/07/10 13:30
-	277	((mixing mixer) near tube) and catalyst	USPAT	2002/07/10 13:30
-	80029	manifold	USPAT	2002/07/10 13:30
-	43	((mixing mixer) near tube) and catalyst) and manifold	USPAT	2002/07/10 13:34
-	234	((mixing mixer) near tube) and catalyst) not (((mixing mixer) near tube) and catalyst) and manifold)	USPAT	2002/07/10 14:31
-	85651	tangent tangential	USPAT	2003/03/07 14:19
-	18	((mixing mixer) near tube) with (tangent tangential)	USPAT	2002/07/10 14:33
-	1	("4451578").PN.	USPAT	2002/07/10 14:34
-	7	4451578.URPN.	USPAT	2002/07/10 14:33
-	687	(422/224).CCLS.	USPAT	2002/07/10 14:34
-	50	(tangent tangential) and ((422/224).CCLS.)	USPAT	2002/07/10 14:35

-	49	("2632692" "2710177" "2778621" "2898292" "3112256" "3143581" "3146189" "3218249" "3235344" "3244286" "3353924" "3378349" "3446489" "3480407" "3502445" "3524731" "3541000" "3652450" "3685971" "3705016" "3723072" "3824080" "3880961" "3895919" "3915847" "3946104" "4087252" "4126539" "4126540" "4133645" "4140625" "4233269" "4235847" "4313908" "4550000" "4579647" "4669890" "4808350" "4836989" "4839108" "4960571" "5045247" "5103864" "5152967" "5158713" "5158714" "5192465" "5269465" "5462719").PN.	USPAT	2002/07/10 14:36
-	1	5989502.URPN.	USPAT	2002/07/10 14:36
-	16	("3480407" "3524731" "3556736" "3592612" "3598541" "3787189" "4138327" "4275021" "4295936" "4601788" "4629534" "4714542" "5091119" "5152967" "5230839" "5232283").PN.	USPAT	2002/07/10 14:50
-	8	5462719.URPN.	USPAT	2002/07/10 14:52
-	173653	clockwise	USPAT	2002/07/10 15:09
-	114107	counterclockwise	USPAT	2002/07/10 15:09
-	1813	clock-wise	USPAT	2002/07/10 15:09
-	32476	counter-clockwise	USPAT	2002/07/10 15:09
-	174396	clockwise clock-wise	USPAT	2002/07/10 15:09
-	138848	counterclockwise counter-clockwise	USPAT	2002/07/10 15:09
-	74499	(clockwise clock-wise) with (counterclockwise counter-clockwise)	USPAT	2002/07/10 15:09
-	2	((422/224).CCLS.) and ((clockwise clock-wise) with (counterclockwise counter-clockwise))	USPAT	2002/07/10 15:10
-	56074	422/\$.ccls.	USPAT	2002/07/10 15:10
-	428	((clockwise clock-wise) with (counterclockwise counter-clockwise)) and 422/\$.ccls.	USPAT	2002/07/10 15:10
-	41	catalyst and (((clockwise clock-wise) with (counterclockwise counter-clockwise)) and 422/\$.ccls.)	USPAT	2002/07/10 15:12
-	933084	holes openings passages slots slits	USPAT	2002/07/10 15:13
-	1640	((clockwise clock-wise) with (counterclockwise counter-clockwise)) with (holes openings passages slots slits)	USPAT	2002/07/10 15:13
-	11	catalyst and (((clockwise clock-wise) with (counterclockwise counter-clockwise)) with (holes openings passages slots slits))	USPAT	2002/07/10 15:13
-	88775	tangent tangential	USPAT	2003/03/07 14:19
-	415843	openings	USPAT	2003/03/07 14:20
-	1455	(tangent tangential) with openings	USPAT	2003/03/07 14:20
-	419851	mixing mixer	USPAT	2003/03/07 14:20

-	33	((tangent tangential) with openings)	USPAT	2003/03/07
-	225286	with (mixing mixer) catalyst	USPAT	14:20
-	2	((((tangent tangential) with openings)	USPAT	2003/03/07
-	724045	with (mixing mixer)) and catalyst angle	USPAT	14:20
-	10090	openings with angle	USPAT	14:24
-	225	((tangent tangential) with openings) and (openings with angle)	USPAT	2003/03/07
-	7	catalyst and (((tangent tangential) with openings) and (openings with angle))	USPAT	14:25
-	1	("3598541").PN.	USPAT	2003/03/07
-	1	("3598541").PN.	USOCR	15:03
-	6438	hydrocracking	USOCR	2003/03/07
-	880191	air	USPAT	15:08
-	136344	steam	USPAT	2003/03/07
-	880191	air	USPAT	15:08
-	40062	vaporized	USPAT	15:09
-	745	steam same air same vaporized	USPAT	2003/03/07
-	1	hydrocracking same (steam same air same vaporized)	USPAT	15:09
-	29	hydrocracking and (steam same air same vaporized)	USPAT	2003/03/07
-	84662	manifold	USPAT	15:10
-	549409	axial axially	USPAT	2003/06/10
-	394228	mixing	USPAT	16:49
-	256	manifold same (axial axially) same mixing	USPAT	2003/06/10
-	197669	hydrocarbon	USPAT	16:43
-	39	(manifold same (axial axially) same mixing) and hydrocarbon	USPAT	2003/06/10
-	99	doroshenk	USPAT	16:44
-	17	manifold and doroshenk	USPAT	2003/06/10
-	0	6296814.URPN.	USPAT	16:44
-	7	("3775064" "4083695" "4098589" "4169879" "5565009" "5567398" "5997596").PN.	USPAT	2003/06/10
-	53879	manifold	USOCR	16:45
-	439856	axial axially	USOCR	2003/06/10
-	159356	mixing	USOCR	16:51
-	116597	hydrocarbon	USOCR	2003/06/10
-	937	manifold same (axial axially) same mixing	USOCR	16:51
-	86	hydrocarbon and (manifold same (axial axially) same mixing)	USOCR	2003/06/10
-	14074	manifold	EPO; JPO	16:50
-	202826	axial axially	EPO; JPO	2003/06/10
				16:51
				2003/06/10
				16:52

-	157570	mixing	EPO; JPO	2003/06/10 16:52
-	63975	hydrocarbon	EPO; JPO	2003/06/10 16:52
-	0	(manifold same (axial axially) same mixing) and (manifold adn doroshenk)	EPO; JPO	2003/06/10 16:52
-	8	manifold same (axial axially) same mixing	EPO; JPO	2003/06/10 16:52
-	3592	((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.	USPAT	2003/06/10 16:53
-	193	manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)	USPAT	2003/06/10 16:53
-	63	(axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.))	USPAT	2003/06/10 16:53
-	42	mixing and ((axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)))	USPAT	2003/06/10 16:53
-	19	(mixing and ((axial axially) and (manifold and (((422/189) or (422/190) or (422/191) or (422/192) or (422/193) or (422/194) or (422/195) or (422/196) or (422/197) or (566/165.1) or (566/165.2) or (566/340)).CCLS.)))) and hydrocarbon	USPAT	2003/06/10 16:54
-	228699	catalyst	USPAT	2003/06/11 14:12
-	152684	bed	USPAT	2003/06/11 14:11
-	12284	catalyst adj bed	USPAT	2003/06/11 14:07
-	174309	fuel	USPAT	2003/06/11 14:11
-	21498	oxidant	USPAT	2003/06/11 14:11
-	635344	tube tubes	USPAT	2003/06/11 14:11
-	1	(catalyst adj bed) same fuel same oxidant same (tube tubes)	USPAT	2003/06/11 14:08
-	1121	(catalyst adj bed) with (tube tubes)	USPAT	2003/06/11 14:08
-	37	fuel and oxidant and ((catalyst adj bed) with (tube tubes))	USPAT	2003/06/11 14:08
-	109695	catalyst	USOCR	2003/06/11 14:17
-	182872	bed	USOCR	2003/06/11 14:17
-	129757	fuel	USOCR	2003/06/11 14:11
-	7194	oxidant	USOCR	2003/06/11 14:11
-	505063	tube tubes	USOCR	2003/06/11 14:11
-	6525	catalyst adj bed	USOCR	2003/06/11 14:11
-	679	(tube tubes) with (catalyst adj bed)	USOCR	2003/06/11 14:12
-	10	fuel and oxidant and ((tube tubes) with (catalyst adj bed))	USOCR	2003/06/11 14:12

-	366581	inlet	USPAT	2003/06/11 14:15
-	522342	chamber manifold	USPAT	2003/06/11 14:15
-	14825	inlet adj (chamber manifold)	USPAT	2003/06/11 14:13
-	62	(catalyst adj bed) same (inlet adj (chamber manifold))	USPAT	2003/06/11 14:13
-	280221	inlet	USOCR	2003/06/11 14:17
-	417522	chamber manifold	USOCR	2003/06/11 14:17
-	13858	inlet adj (chamber manifold)	USOCR	2003/06/11 14:15
-	76	(inlet adj (chamber manifold)) same (catalyst adj bed)	USOCR	2003/06/11 14:16
-	125281	catalyst	EPO; JPO	2003/06/11 14:17
-	52343	bed	EPO; JPO	2003/06/11 14:17
-	127429	inlet	EPO; JPO	2003/06/11 14:17
-	301587	chamber manifold	EPO; JPO	2003/06/11 14:17
-	1073	catalyst adj bed	EPO; JPO	2003/06/11 14:18
-	1964	inlet adj (chamber manifold)	EPO; JPO	2003/06/11 14:18
-	1	(catalyst adj bed) with (inlet adj (chamber manifold))	EPO; JPO	2003/06/11 14:18
-	1	("5106590").PN.	USPAT	2003/06/11 14:39
-	427641	mixing mixer	USPAT	2003/06/12 15:59
-	783556	tangential tangentially tangent angle	USPAT	2003/06/12 16:07
-	1139611	opening opening inlet inlets	USPAT	2003/06/12 16:01
-	63868	(tangential tangentially tangent angle) with (opening opening inlet inlets)	USPAT	2003/06/12 16:01
-	1109	(mixing mixer) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))	USPAT	2003/06/12 16:01
-	1699750	advantage advantages	USPAT	2003/06/12 16:01
-	4	((mixing mixer) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) with (advantage advantages)	USPAT	2003/06/12 16:02
-	20	((mixing mixer) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) same (advantage advantages)	USPAT	2003/06/12 16:02
-	16	((mixing mixer) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) same (advantage advantages) not ((mixing mixer) with ((tangential tangentially tangent angle) with (opening opening inlet inlets))) with (advantage advantages))	USPAT	2003/06/12 16:06
-	35995	null	USPAT	2003/06/12 16:06
-	1177	(tangential tangentially tangent angle) with null	USPAT	2003/06/12 16:06
-	228699	catalyst	USPAT	2003/06/12 16:06
-	7	((tangential tangentially tangent angle) with null) and catalyst	USPAT	2003/06/12 16:07
-	108132	tangential tangentially tangent	USPAT	2003/06/12 16:07

-	91	null with (tangential tangentially tangent)	USPAT	2003/06/12 16:08
-	0	(null with (tangential tangentially tangent)) and catalyst	USPAT	2003/06/12 16:08
-	530	(tangential tangentially tangent) with (opening opening inlet inlets) with (mixing mixer)	USPAT	2003/06/12 16:08
-	7290	(opening opening inlet inlets) near4 (tangential tangentially tangent)	USPAT	2003/06/12 16:09
-	312	(mixing mixer) with ((opening opening inlet inlets) near4 (tangential tangentially tangent))	USPAT	2003/06/12 16:09
-	30	catalyst and ((mixing mixer) with ((opening opening inlet inlets) near4 (tangential tangentially tangent)))	USPAT	2003/06/12 16:15
-	1	("4865820").PN.	USPAT	2003/06/12 16:56
-	197669	hydrocarbon	USPAT	2003/06/12 16:57
-	45237	gasoline	USPAT	2003/06/12 16:57
-	36920	diesel	USPAT	2003/06/12 16:57
-	207912	methanol	USPAT	2003/06/12 16:57
-	80	hydrocarbon with gasoline with diesel with methanol	USPAT	2003/06/12 16:57
-	13968	reformer reforming	USPAT	2003/06/12 16:57
-	11	(hydrocarbon with gasoline with diesel with methanol) with (reformer reforming)	USPAT	2003/12/02 12:38